

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A textile construction ~~(1)~~, comprising:  
a conductive elastomeric material ~~(20)~~ suitable for converting an interaction therewith into a signal; and  
an actuator ~~(30)~~ cooperative with said conductive elastomeric material ~~(20)~~ ~~to provide~~ including an intuitive user interface ~~(10)~~ configured for user interaction.
2. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein one or more characteristics of said conductive elastomeric material ~~(20)~~ change in response to said interaction.
3. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein said conductive elastomeric material ~~(20)~~ has piezoelectric characteristics.
4. (Currently amended) The textile construction ~~(1)~~ of claim 1,

wherein said conductive elastomeric material ~~(20)~~ is comprises one or more of a polypyrrole/lycra, a polypyrrole/nylon, a polypyrrole/polyester, or ~~any other~~ conjugated polymer, or ion-implanted polymer, ~~or any combination of the same.~~

5. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein said conductive elastomeric material ~~(20)~~ can have one or more of the following: a flexible metal coated fabric including woven, non-woven, and/or knit, filaments, foils, and yarns, a conductive polymer coated fiber/fabric, a conductive graphitized fiber/fabric, ~~or and~~ a conductive gel coated fiber/fabric, ~~and/or any combination of the same.~~

6. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein said actuator ~~(30)~~ is formed from a relatively rigid material.

7. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein said actuator ~~(30)~~ is formed from one or more of a plastic or and rubber ~~or some combination thereof.~~

8. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein said actuator ~~(30)~~ is cooperative with said conductive elastomeric material ~~(20)~~.

9. (Currently amended) The textile construction ~~(1)~~ of claim 1, wherein one or more characteristics of said conductive elastomeric material ~~(20)~~ change in proportional response to said interaction, said interaction causing one or more areas ~~(25)~~ of said conductive elastomeric material ~~(20)~~ to be displaced.

10. (Currently amended) A multi-direction proportional input device, comprising:

a conductive elastomeric textile construction ~~(1)~~ having including an intuitive user interface ~~(10)~~ configured for user interaction,

wherein said intuitive user interface ~~(10)~~ has an actuator ~~(30)~~ cooperative with one or more conductive areas ~~(25)~~.

11. (Currently amended) The multi-direction proportional input device of claim 10, wherein one or more characteristics of said one or more conductive areas ~~(25)~~ change in response to an interaction

via said actuator—(30).

12. (Currently amended) The multi-direction proportional input device of claim 10, wherein said interface ~~(10)~~ is connected to a textile surface—(5).

13. (Currently amended) The multi-direction proportional input device of claim 10, wherein said interface ~~(10)~~ is integral with a textile surface—(5).

14. (Currently amended) The multi-direction proportional input device of claim 11, wherein any relative movement of said one or more conductive areas ~~(25)~~ is detectable via said change in the characteristics thereof.

15. (Currently amended) The multi-direction proportional input device of claim 14, wherein a displacement ratio between said one or more conductive areas ~~(25)~~ is used to quantify the degree of said interaction and/or to quantify the speed or rate of said interaction.

16. (Currently amended) A garment having the input device of claim

15.

17. (Currently amended) A garment having the input device of claim

10, said input device being suitable for use in a ~~variety of~~  
~~different wearable electronic applications and/or for~~  
~~accomplishing application including one or more different complex~~  
functionalities requiring proportional input.

18. (Currently amended) A method for forming a multi-direction

input device, comprising ~~the steps~~acts of:

fashioning an interface ~~(10)~~ from a conductive elastomeric  
textile, said interface ~~(10)~~ having~~including~~ an actuator ~~(30)~~ for  
cooperating with one or more conductive areas ~~(25)~~ of said  
interface ~~(10)~~.

19. (Currently amended) The method of claim 18, further comprising

~~the step~~an act of connecting said interface ~~(10)~~ with a garment or  
upholstery cooperative with one or more electronic devices and/or  
systems.

20. (Currently amended) The method of claim 18, wherein said  
interface ~~(10)~~ is integral to a garment or upholstery suitable for  
cooperating with one or more electronic devices and/or systems.